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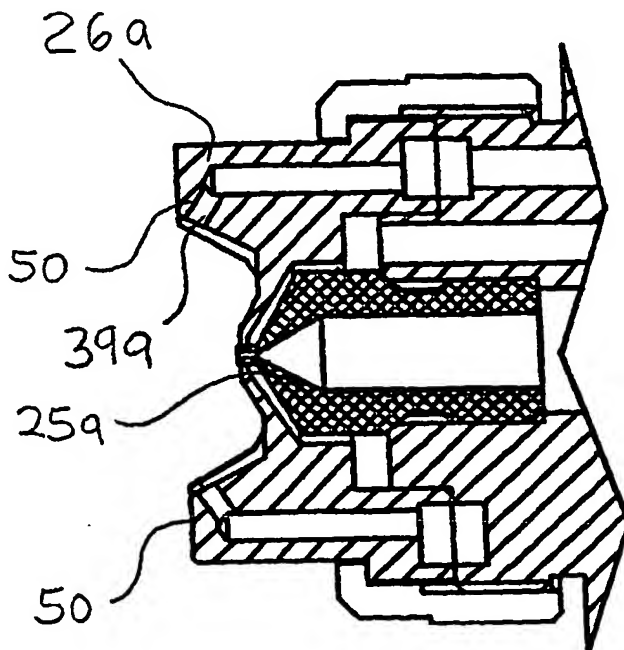
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ning of each regular issue of the PCT Gazette.

(54) Title: **EXTERNAL MIX AIR ASSISTED SPRAY NOZZLE ASSEMBLY**



(57) Abstract: A spray device comprising a body having a liquid discharge passage and a spray nozzle assembly affixed to the body is provided. The spray nozzle assembly includes a liquid spray tip for directing liquid from the liquid passage in the body into a predetermined spray pattern and an atomizing fluid cap. The liquid spray tip includes a forwardly extending nose portion that defines a liquid discharge orifice. The nose extends through a central opening in the air cap thereby defining an annular atomizing fluid discharge orifice that communicates with an atomizing fluid inlet. The nose extends in a downstream direction past the central opening in the air cap such that the liquid discharge orifice is arranged at least approximately 2mm. downstream of the annular atomizing fluid discharge orifice.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32462

A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 239/291, 290, 292

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 239/291, 290, 292

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2,504,117 A (DOWNS) 18 APRIL 1950 (18.04.1950), see the entire document.	1-10
Y	US 3,873,023 A (MOSS et al) 25 MARCH 1975 (25.03.1975), see the entire document.	1-10
Y	US 5,322,221 A (ANDERSON) 21 JUNE 1994 (21.06.1994), see the entire document.	1-10

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See patent family annex.

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